

Test Number: NPP_PGE302_StrayLight_Scaling_Checks

Test Definition Date: 3/26/14

Test Revision Date:

Discipline: DNB SDR/GEO

Test Title: NPP PGE302 Validation of VCST Stray Light Correction LUTs and VDNE scaling

Test Objective: This test will aid in evaluating the Stray Light Correction LUTs provided by VCST for the C1.1 reprocessing by comparing datasets generated using the IDPS Stray Light Correction LUTs to datasets generated using the VCST LUTs. In addition, this test will verify that the implementation of scaling in the NPP_VDNE_L1 products is as desired.

Data Time Interval: 2013-246 00:00:00 – 23:59:59

Machine/Archive Set: ops7, archive sets to be assigned by operator. One for the baseline that will be using IDPS LUTs and generating unscaled NPP_VDNE_L1 products; and one for the test case using VCST LUTs (the C1.1 reprocessing LUT set) and generating scaled NPP_VDNE_L1 products.

Related Test(s): N/A

Baseline DataSet: data will be compared against AS3100

Input DataSet: Sync the data listed below from laads AS3001 to working archive sets ops7:

NP5_RVIRS_L0
NPP_TLE
NPP_USNOPW

Recipes/PGEs to be executed in baseline archive set:

<u>Recipe</u>	<u>Version</u>	<u>PGE</u>	<u>Version</u>	<u>Type</u>	<u>PGE Name</u>
0Cmcl	2.3.6	301	P2.3.0	OPS	Verified RDR
		302a	P2.3.0.1	LPA	VIIRS L1 Geolocation
1Cmcl	2.3.7	302b	P2.3.0.1	LPA	VIIRS L1 SDR

NOTE: this run will use all IDPS LUTs. The STRAY-LIGHT LUT that will be used will be named VIIRS-SDR-DNB-STRAY-LIGHT-LUT_20130829210947_v1.5.07.02_LP – this is the LUT that went into use at IDPS operations on 8/29/13 21:09:47. The corresponding IDPS name for this same LUT is: VIIRS-SDR-DNB-STRAY-LIGHT-CORRECTION-LUT_npp_20130701000000Z_20130708000000Z_ee00000000000000Z_PS-1-O-CCR-13-1154-JPSS-DPA-003-PE_noaa_all_all-.bin.

Recipes/PGEs to be executed in VCST LUT/Scaled VDNE archive set:

<u>Recipe</u>	<u>Version</u>	<u>PGE</u>	<u>Version</u>	<u>Type</u>	<u>PGE Name</u>
0Cmcl	2.3.5	301	P2.3.0	OPS	Verified RDR

		302a	P2.3.0.5	LPA	VIIRS L1 Geolocation
1Cmcl	2.3.6	302b	P2.3.0.5	LPA	VIIRS L1 SDR

NOTE: this run will use the LUTs from the C1.1 Reprocessing. The STRAY-LIGHT-LUT that will be used in this archive set is VIIRS-SDR-DNB-STRAY-LIGHT-LUT_20120902000000_vcst_LP, which corresponds to the big Endean VCST LUT named VIIRS-SDR-DNB-STRAY-LIGHT-CORRECTION-LUT_20120916_v01_vcst.bin. VCST names the stray light LUTs based on the new moon date, but the LUT is actually valid from full moon to full moon, so based on direction from VCST the LPEATE little Endean variations of the LUTs were named 14 days earlier than the date in the VCST files to have proper staging.

NPP Production Group Notes

Changes to Production Plan:

Final Plan Approved by:

Date:

Reprocessing Started:

Reprocessing Completed:

Verified in LAADS

Production Notes:

***Additional Processing Notes:

Post validation of these test results, all outputs and entries in ops7 should be wiped out, as well as in LAADS in preparation for the full reprocessing.

Outputs to be synched to LAADS:

NPP_DNFT_L1
 NPP_IMFT_L1
 NPP_MOFT_L1
 NPP_VDNE_L1
 NPP_VDNE_L1C
 NPP_VIAE_L1
 NPP_VIAE_L1C
 NPP_VMAE_L1
 NPP_VMAE_L1C

Production Results:

Data Set Removal Information

Date:

Approved by: